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Cotton Fiber and Processing Test Results

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CROP of 1977

Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 November 18, 1977

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1977

Discussion of Test Results

Short staple cottons tested through November 11 from the Southwestern area are slightly longer, more uniform, finer and stronger than last year, according to the Cotton Division, Agricultural Marketing Service, USDA. Both Shirley Analyzer nonlint content and picker and card waste are lower than a year ago. Yarns spun from these samples are considerably stronger this season. The average spinning potential yarn number is higher.

Average test results for all medium staple samples tested show slightly longer and coarser fibers than a year ago. Shirley Analyzer nonlint content is higher, but picker and card waste is lower. Yarns spun from these samples are weaker and have lower appearance grades. Yarn imperfections are higher.

Medium staple samples tested from the Southeast show fibers to have about the same fiber characteristics as a year ago at this time. Picker and card waste is lower than a year ago. Yarns spun from these samples show weaker skein strength and lower appearance grades. Yarn imperfections are fewer. The spinning potential yarn number is lower.

South Central medium staple samples tested are longer, coarser and weaker than a year ago at this time. Shirley Analyzer nonlint content is higher. Yarns spun from these samples show slightly weaker yarn skein strength with lower appearance grades. Yarn imperfections are higher.

Southwestern medium staple samples tested are slightly longer, more uniform and stronger at zero gage fiber strength tests. Picker and card waste is lower than a year ago. Yarns spun from these samples show lower yarn appearance grades. Yarn imperfections are fewer. Spinning potential yarn number is lower.

Medium staple samples tested from the West are slightly shorter, more uniform, coarser and stronger at zero gage strength tests. Picker and card waste is slightly lower than last season. Yarns spun from these samples are weaker than a year ago. Yarn imperfections are higher.

Long staple samples from the Southeast are shorter, less uniform, coarser and weaker than last season at this time. Both Shirley Analyzer nonlint content and Picker and card waste are higher. Yarns spun from these samples are weaker with lower appearance grades. Yarn imperfections are fewer. Spinning potential yarn number is lower.

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These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season.1/ These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

1/ Summary of Cotton Fiber and Processing Test Results, Crop of 1976, USDA, AMS, Cotton Division, June 1977.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through November 11, 1977 1/

Staple group Area, and Crop year	Lots tested	Fiber test results						Processing test results				
		Fibrograph		Mike fine-ness	Fiber strength		S A nonlint	P & C waste	Yarn quality			Spin. Potent.
		2.5% span	50/2.5 unif.		Zero gage	1/8" gage			Skein str.	Appear-ance	Imperf-ections	
	No.	Inches	Pct.	Rdg.	Mpsi	G/tex	Pct.	Pct.	Lbs.	Index	No.	Yarn No.
									22s Carded Yarn			
Short Staple:												
Southwest												
1976	10	.97	44	4.4	84	20	3.3	7.3	85	110	14	36
1977	41	.98	46	4.2	89	22	3.1	5.4	99	110	13	46
Medium Staple:												
Southeast												
1976	11	1.08	45	4.8	86	24	3.1	6.5	109	101	23	56
1977	21	1.08	45	4.8	87	23	3.1	6.0	97	94	20	51
South Central												
1976	54	1.08	45	4.3	88	24	2.7	6.1	109	100	15	55
1977	100	1.11	45	4.6	86	23	3.5	6.0	105	96	21	57
Southwest												
1976	25	1.07	45	4.2	81	22	3.2	6.2	104	98	20	58
1977	42	1.08	46	4.2	86	22	3.2	5.7	103	91	18	54
West												
1976	14	1.13	45	4.2	89	26	2.5	5.8	123	88	21	68
1977	8	1.12	46	4.4	91	26	2.4	5.5	117	89	24	67
U.S. Average												
1976	104	1.09	45	4.3	86	23	2.8	6.1	110	98	18	57
1977	171	1.10	45	4.5	86	23	3.3	5.9	104	94	21	56
Significant difference 2/		0.02	2	0.2	2	1	0.5	0.5	4(22s)	5	2	3

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through November 11, 1977 1/ (Continued)

Staple group, Area, and Crop year	Lots	Fiber Test Results						Processing Test Results								
		Length		Mike	Strength		SA Non-lint	P&C Waste	Comber Waste	Yarn Quality						SPY
		Span	Unif		Zero gage	1/8" gage				Strength		Appearance		Imprfctns		
										carded	combed	carded	combed	card	comb	
	No.	In.	Pct.	Rdg.	Mpsi	G/tx	Pct.	Pct.	Pct.	Lbs.	Lbs.	Indx	Indx	No.	No.	No.
										22s Carded & Combed Yarn						
Long Staple:																
Southeast																
1976	4	1.15	46	4.4	88	26	2.8	6.3	15.8	118	140	108	122	21	8	68
1977	6	1.13	45	4.8	86	23	3.2	6.6	*	102	*	103	*	15	*	58
South Central																
1976	1	1.11	41	3.7	91	27	3.3	6.6	22.0	113	141	100	100	17	9	55
1977	2	1.14	44	4.4	90	24	3.8	6.8	*	105	*	95	*	26	*	63
Significant Difference 2/		0.02	2	0.2	2	1	0.5	0.5	0.5	4(22s)	4(22s) 2(50s)	5	5	2	2	3

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table.

* Combed data not available.

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1977

Production Area, Classification & Sample Number			Fiber Test Results									Processing Test Results - Carded Yarns									
			Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Poten-tial
No	Grade Name & Code	Stple	2.5% span	Unif		Zero Gage	1/8" Gage			Gra	Yel		8s or 74 tx	22s or 27 tx	8s or 74 tx	22s or 27 tx	8s or 74 tx	22s or 27 tx	8s or 74 tx	22s or 27 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTHWEST AREA																					
NORTHWEST TEXAS																					
AMHERST							PAYMASTER 18						70 PERCENT								
1 MID	31	31	0.92	49	4.8	84	20	6.5	1.9	0	3	4.4	264	87	7.2	5.8	120	110	35	13	40
ANSON							LANKART 611						100 PERCENT								
1 MID	31	31	0.94	45	3.5	86	21	7.1	3.2	1	4	5.2	290	92	7.5	6.4	110	100	37	20	44
BROWNFIELD							GSA71						80 PERCENT								
1 MID	31	31	1.00	45	3.7	88	22	6.2	3.3	1	4	4.1 1/	299	103	7.5	6.8	120	110	25	11	56
LAMESA							BLIGHTMASTER A5						75 PERCENT								
2 MID LT SP	32	30	0.93	46	4.1	88	20	5.9	4.0	2	5	6.2 1/	266	86	7.5	5.8	120	110	23	13	41
LORENZO							PAYMASTER 303						80 PERCENT								
1 MID	31	32	1.06	44	3.7	84	19	6.4	2.8	0	3	4.8	308	101	8.3	6.5	120	100	27	15	52
NEWCASTLE							LANKART 57						95 PERCENT								
1 MID	31	31	0.96	46	4.3	90	21	6.5	2.5	1	4	5.7	292	98	7.4	5.8	130	110	22	11	45
PADUCAH							LANKART 611						70 PERCENT								
1 MID	31	31	0.96	46	4.9	88	22	6.4	2.5	1	4	4.8	295	97	7.6	6.3	130	120	13	8	47
PETERSBURG							PAYMASTER 303						90 PERCENT								
2 MID	31	32	0.98	47	4.7	86	21	6.2	2.1	1	3	5.0	289	97	7.4	6.2	130	120	16	10	46
RALLS							PAYMASTER 303						75 PERCENT								
1 MID	31	32	1.02	46	3.4	89	23	6.5	3.2	0	3	5.9	301	105	8.2	6.7	120	110	22	13	57
RULE							LANKART LX571						100 PERCENT								
2 MID	31	32	1.06	47	4.4	88	22	6.3	2.6	1	4	4.6	302	103	7.8	6.8	120	100	20	14	59
VERNON							LANKART 57						100 PERCENT								
1 MID LT SP	32	30	0.96	47	4.7	87	21	6.2	2.7	1	4	4.7	287	96	7.3	6.0	120	110	19	11	47
VERNON							LOCKETT 77						100 PERCENT								
1 MID	31	32	1.00	45	3.8	102	23	4.9	2.6	0	3	4.2 1/	327	116	7.4	6.3	130	110	17	12	67

1/ Cotton stuck to processing rolls

Table 3--Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1977

Production Area, Classification & Sample Number			Fiber Test Results									Processing Test Results - Carded Yarns									
			Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Poten-tial
No	Grade Name & Code	Stple	2.5% span	Unif.		Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTHEAST AREA																					
ALABAMA																					
HAMILTON							DELTAPINE 61						90 PERCENT								
1 MID LT SP	32	33	1.08	43	4.6	79	21	6.8	1.8	3	4	4.5	92	29	5.9	4.3	90	70	13	12	51
2 MID LT SP	32	33	1.07	43	4.7	82	22	6.6	1.6	3	4	6.0	90	27	5.8	3.7	90	60	14	13	49
MERIDIANVILLE							STONEVILLE 603						100 PERCENT								
2 LM SP	53	33	1.07	44	4.7	93	21	5.3	6.2	7	4	8.9	79	22 1/	4.6	3.3	90	60	22	23	25
WILSONVILLE							DELTAPINE 16						90 PERCENT								
2 MID LT SP	32	34	1.10	44	4.2	84	21	6.9	2.2	2	3	5.3	97	31	6.5	4.5	90	70	16	14	55
GEORGIA																					
ALLENTOWN							COKER 201						100 PERCENT								
2 SLM LT SP	42	34	1.09	46	5.1	88	24	5.5	3.8	2	4	7.2	92	28	5.2	3.7	80	60	21	16	46
NORTHCAROLINA																					
RED SPRINGS							MCNAIR 612						80 PERCENT								
1 SLM	41	35	1.12	46	4.8	90	24	5.4	2.6	2	3	5.1	107	36	5.4	4.3	90	70	18	13	59
SOUTHCAROLINA																					
MAYESVILLE							COKER 201						100 PERCENT								
2 MID	31	34	1.08	44	4.8	87	23	5.4	3.3	2	3	5.8	90	29	5.4	3.7	80	60	28	23	44
SOUTH CENTRAL AREA																					
ARKANSAS																					
ALTHEIMER							DELTAPINE 16						100 PERCENT								
3 SLM	41	36	1.15	45	4.1	87	25	6.7	2.3	1	2	5.1	112	38	6.4	4.7	80	70	19	15	68
BISCOE							STONEVILLE 213						99 PERCENT								
2 SLM LT SP	42	35	1.10	46	4.8	84	22	5.6	4.0	4	4	6.1	101	31	5.9	4.4	100	70	22	16	61
DUMAS							STONEVILLE 213						100 PERCENT								
3 SLM	41	35	1.10	45	4.6	89	22	6.2	3.2	1	2	5.2	104	35	5.9	4.4	90	70	20	13	61
EUDORA							DELTAPINE 61						100 PERCENT								
3 SLM	41	35	1.10	48	4.7	88	24	6.8	2.9	1	3	5.6	108	36	6.5	4.8	110	80	12	9	57
HUGHES							STONEVILLE 213						100 PERCENT								
3 SLM	41	35	1.10	46	4.8	87	23	6.1	2.0	2	3	4.8	101	33	6.1	4.5	80	60	23	19	55
KEISER							NEW REX						100 PERCENT								
3 LM	51	34	1.10	44	3.9	81	21	5.8	3.2	3	2	5.9	89	28	5.5	3.8	110	80	13	12	51

1/ End breakage too high to spin 50s yarn. 44s Yarn spun and strength adjusted to equivalent of 50s.

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1977--(Continued)

Production Area, Classification & Sample Number			Fiber Test Results									Processing Test Results - Carded Yarns									
			Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potential
No	Grade Name & Code	Stple	2.5% span	Unif.		Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTHEAST AREA--(Continued)																					
LOUISIANA																					
LAKE PROVIDENCE							DELTAPINE 16						100 PERCENT								
2 SLM	41	36	1.15	47	4.7	85	24	6.7	3.1	1	2	5.6	114	37	6.9	5.0	100	80	19	11	70
LAKE PROVIDENCE							STONEVILLE 213						100 PERCENT								
2 LM PLUS	50	35	1.13	44	4.9	86	22	5.0	3.5	2	2	6.3	95	28	5.1	3.6	90	60	25	17	49
MONROE							DELTAPINE 61						100 PERCENT								
1 SLM	41	35	1.13	46	4.5	79	23	6.8	3.0	1	3	4.7	108	35	6.4	4.9	90	60	24	20	66
SHREVEPORT							DELTAPINE 16						100 PERCENT								
2 SLM	41	35	1.10	46	5.0	81	22	6.4	3.1	2	3	6.1	98	30	6.0	4.3	100	80	11	11	53
SICILY ISLAND							STONEVILLE 213						100 PERCENT								
2 SLM LT SP	42	34	1.07	46	5.0	84	20	5.7	3.7	3	4	7.0	86	25	5.7	3.7	90	80	20	14	44
MISSISSIPPI																					
BELZONI							DELTAPINE 16						100 PERCENT								
2 LM	51	35	1.14	44	4.2	82	22	6.8	4.2	2	2	5.8	111	38	6.5	5.1	100	70	16	13	62
CLARKSDALE							STONEVILLE 213						100 PERCENT								
3 LM	51	35	1.11	46	4.6	84	23	5.9	4.6	3	2	5.6	99	31	5.7	4.1	80	70	23	17	55
COMO							STONEVILLE 213						98 PERCENT								
3 LM	51	34	1.12	46	4.7	83	23	6.0	4.1	2	2	6.3	100	32	6.0	4.3	90	70	17	15	55
GREENVILLE							DELTAPINE 16						100 PERCENT								
3 SLM	41	36	1.13	44	4.2	87	23	6.4	2.6	1	2	6.0	112	39	6.4	4.9	90	70	21	16	67
GREENVILLE							DELTAPINE 26						100 PERCENT								
2 LM	51	36	1.13	46	4.7	91	24	5.8	4.8	2	2	7.2	111	36	6.0	4.4	90	70	22	20	59
HOLLANDALE							DELTAPINE 16						100 PERCENT								
3 LM	51	36	1.18	46	4.3	83	24	6.5	5.9	2	2	6.9	113	38	6.6	5.0	90	70	24	18	73
MORGAN CITY							STONEVILLE 213						100 PERCENT								
3 LM	51	35	1.06	45	4.2	87	22	5.8	4.7	4	2	6.4	90	29	5.9	4.7	80	60	24	19	44
SCOTT							DELTAPINE 55						100 PERCENT								
2 LM	51	35	1.14	44	4.0	90	22	5.5	4.1	2	2	6.0	109	36	6.0	4.4	90	70	25	16	67
TRIBBETT							STONEVILLE 213						100 PERCENT								
3 SLM LT SP	42	35	1.10	45	4.5	88	21	5.7	3.1	3	3	6.2	101	32	6.0	4.2	100	80	15	12	53

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1977---(Continued)

Production Area, Classification & Sample Number			Fiber Test Results										Processing Test Results - Carded Yarns									
			Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potential
No	Grade Name & Code	Stple	2.5% span	Unif.		Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTHEAST AREA---(Continued)																						
MISSISSIPPI---(Continued)																						
TRIBBETT							STONEVILLE 256						100 PERCENT									
3 LM	51	35	1.14	45	4.2	94	20	4.6	2.6	4	2	5.8	104	33	5.1	3.8	90	70	17	13	58
WATER VALLEY							DELTAPINE 16						75 PERCENT									
3 SLM	41	34	1.08	43	4.3	84	22	7.0	2.9	2	3	5.4	92	29	5.4	3.8	80	70	22	17	48
MISSOURI																						
HAYTI							STONEVILLE 213						98 PERCENT									
2 SLM	41	35	1.12	47	5.1	84	23	6.5	1.9	2	2	5.4	104	31	6.3	4.1	100	80	15	11	57
PARMA							STONEVILLE 213						100 PERCENT									
2 LM LT SP	52	34	1.06	46	5.2	85	21	6.1	4.4	4	3	9.1	84	26	5.3	4.0	90	80	20	15	38
SENATH							AUBURN M						100 PERCENT									
3 LM	51	34	1.07	44	4.0	83	21	5.9	4.0	3	3	6.9	101	34	5.9	4.5	80	60	27	24	59
SENATH							DELTAPINE 61						76 PERCENT									
3 SLM LT SP	42	34	1.10	45	4.4	78	22	7.2	3.7	3	3	5.4	101	33	6.2	4.5	90	60	23	19	59
TENNESSEE																						
ERADEN							DELTAPINE 16						70 PERCENT									
3 SLM LT SP	42	34	1.10	46	4.6	83	23	6.5	3.9	3	3	5.7	94	29	6.2	4.0	100	70	15	11	50
ROSEMARK							AUBURN M						70 PERCENT									
2 SLM	41	34	1.06	46	5.0	90	21	5.4	2.1	3	3	6.2	94	30	5.9	4.0	90	60	18	14	49
3 SLM LT SP	42	33	1.02	43	3.7	88	21	5.6	3.5	4	4	6.8	85	28	5.4	3.4	80	60	23	19	40
SOUTHWEST AREA																						
CENTRAL TEXAS																						
GRANDVIEW							TAMCOT SP37						90 PERCENT									
3 MID	31	31	0.98	43	3.9	92	22	5.3	2.9	1	4	7.2	76	20 1/	4.8	3.5	80	60	23	20	25
NORTHWEST TEXAS																						
ACKERLY							LOCKETT 4789 A						70 PERCENT									
2 MID LT SP	32	31	0.98	46	4.3	92	22	5.9	3.3	1	4	6.5	91	29	5.2	3.9	90	70	23	14	42

1/ End breakage too high to spin 50s yarn. 36s yarn spun and strength adjusted to equivalent of 50s.

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1977---(Continued)

Production Area, Classification & Sample Number			Fiber Test Results									Processing Test Results - Carded Yarns									
			Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Poten-tial
No	Grade Name & Code	Stple	2.5% span	Unif.		Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTHWEST AREA---(Continued)																					
NORTHWEST TEXAS---(Continued)																					
ELDORADO							TAMCOT SP37						75 PERCENT								
1 MID	31	31	0.96	44	3.6	89	20	5.9	1.6	1	3	5.9	81	22 1/	5.3	3.8	70	60	27	26	25
2 MID	31	31	0.91	43	3.6	86	20	6.3	2.6	1	4	5.7	72	21 1/	5.1	3.6	80	70	19	20	25
LUBBOCK							COKER 312*						100 PERCENT								
2 MID	31	36	1.16	45	4.3	86	23	5.9	4.1	1	3	6.8	105	35	6.0	4.3	70	60	35	26	54
LUBBOCK							COKER 5110*						100 PERCENT								
2 MID	31	36	1.10	45	4.2	84	23	6.6	2.9	1	4	5.7	107	37	6.6	4.9	80	60	24	22	59
WEST AREA																					
ARIZONA																					
BUCKEYE							DEITAPINE 61						100 PERCENT								
1 SLM	41	35	1.11	44	4.7	90	25	6.2	3.0	2	3	6.2	101	33	5.8	4.3	100	70	16	12	52
MARICOPA							DELTAPINE 16						100 PERCENT								
1 SLM	41	35	1.12	43	4.5	91	24	6.4	2.5	2	3	5.1	106	35	6.0	4.4	90	70	23	15	57
CALIFORNIA																					
ARVIN							ACALA SJ-2						99 PERCENT								
2 SLM PLUS	40	36	1.13	47	4.2	96	27	5.7	2.4	0	3	5.9 2/	127	47	6.3	5.0	80	70	23	20	76

1/ End breakage too high to spin 50s yarn. 36s yarn spun and strength adjusted to equivalent of 50s.
2/ Cotton stuck to processing rolls.
* 100% selected for tests, less than 100% in area.

Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1977

Production Area, Classification & Sample Number			Fiber Test Results									Processing Test Results - Carded Yarns									
			Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C and Comber Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Poten-tial
No	Grade Name & Code	Stple	2.5% span	Unif.		Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTHEAST AREA																					
ALABAMA																					
JACKSONVILLE							COKER 310						85 PERCENT								
2 SLM SP	43	33	1.10	43	4.5	87	23	5.8	3.8	4	4	6.3	89	27	4.8	3.6	90	60	16	14	51
NORTH CAROLINA																					
CUNN							COKER 310						90 PERCENT								
2 MID	31	35	1.12	47	4.9	90	24	5.5	2.0	2	3	5.4	105	35	5.2	3.9	110	90	13	10	61
SOUTH CAROLINA																					
HARTSVILLE							COKER 310						100 PERCENT								
2 SLM	41	36	1.20	45	4.7	86	24	5.4	3.8	2	3	6.9	106	37	5.3	4.3	90	70	19	16	66
SOUTH CENTRAL AREA																					
MISSISSIPPI																					
LAKECORMORANT							COKER 310						100 PERCENT								
2 LM	51 1/	36	1.14	44	4.2	92	24	5.0	3.8	3	2	6.9	101	34	5.3	3.9	90	60	25	21	62

1/ Reduced from grade 41 because of grass

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